

FIG. 1

09626745-040404

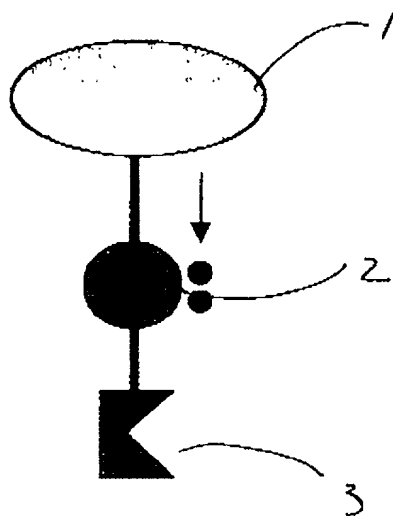


FIG. 1

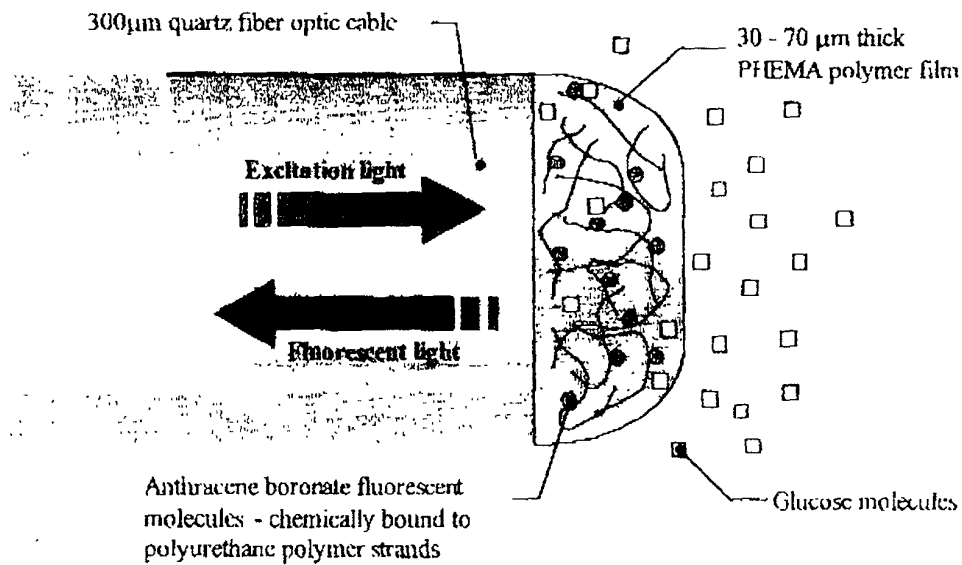


FIG. 2

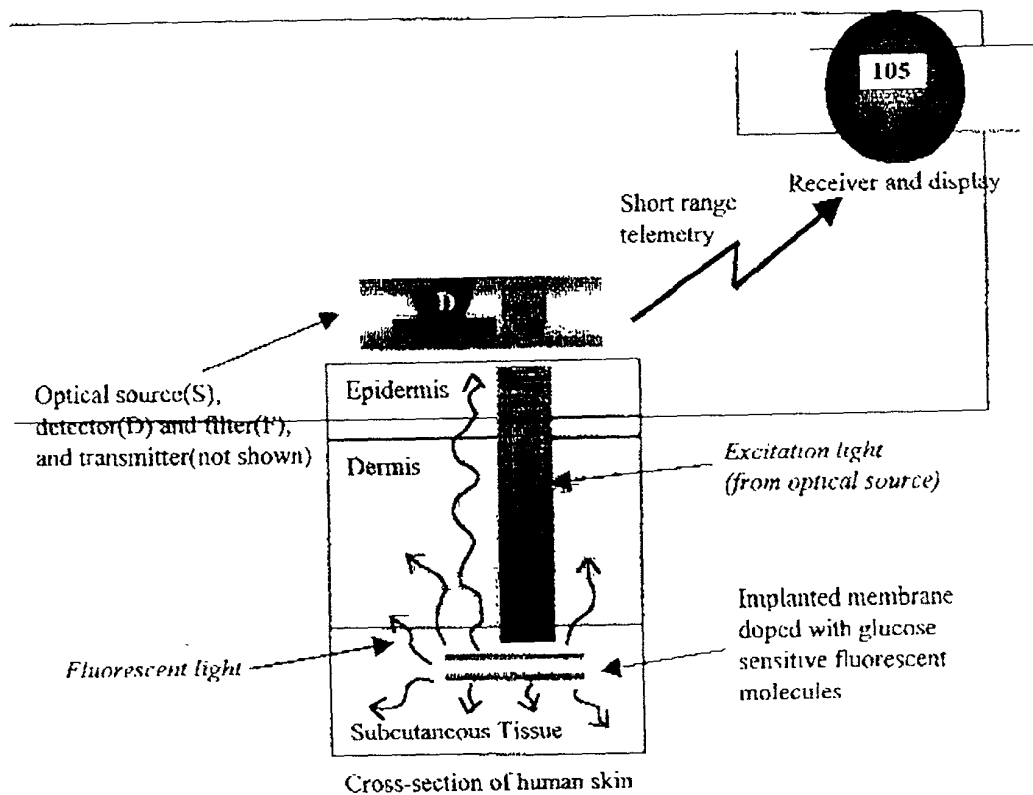


FIG. 3

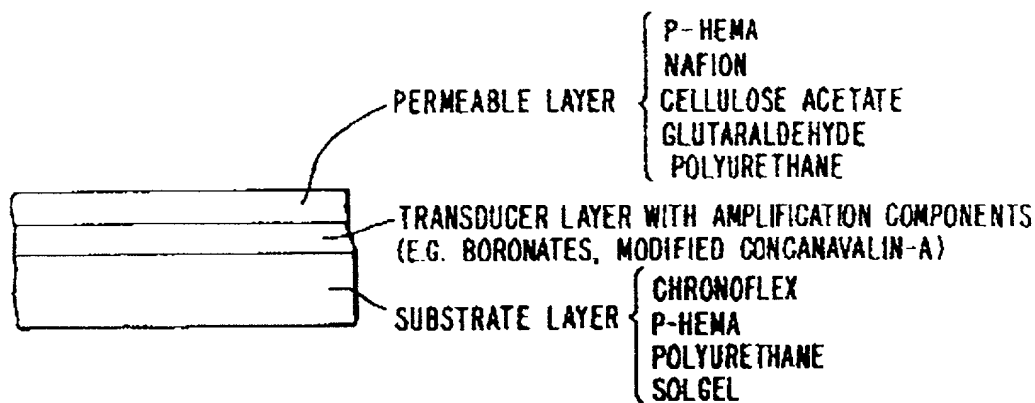


FIG. 4A.

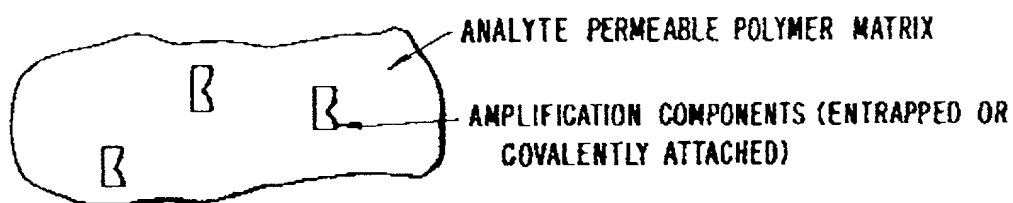


FIG. 4B.

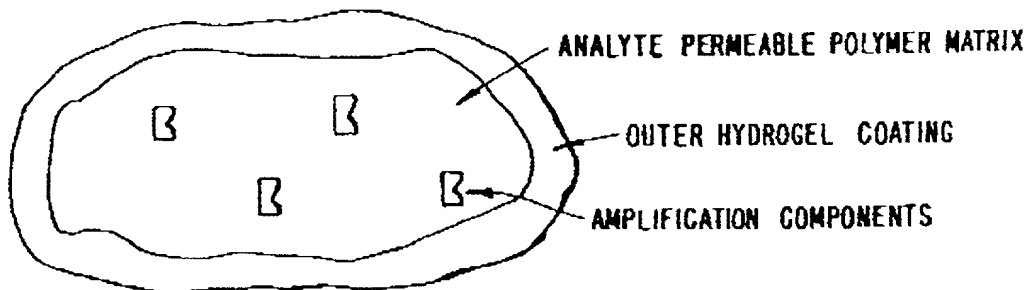


FIG. 4C.

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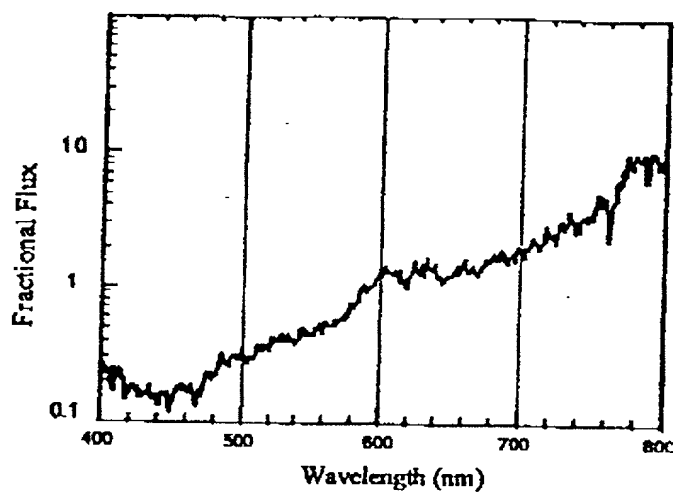
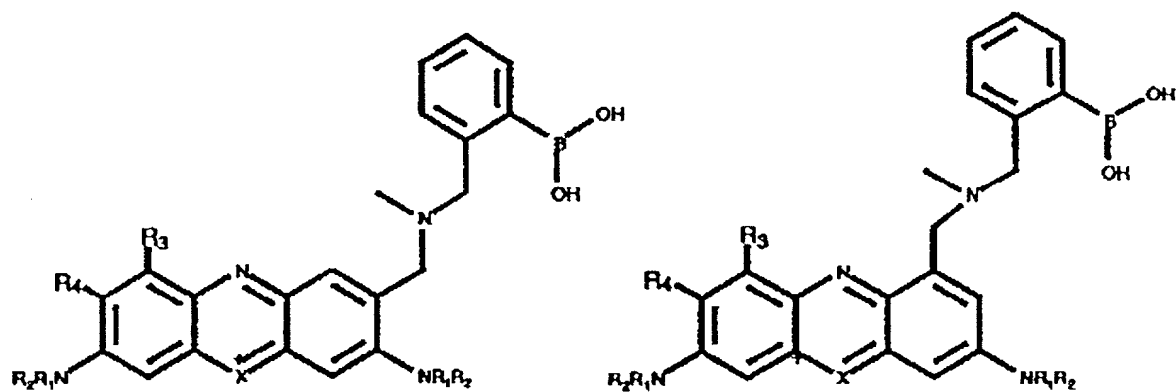
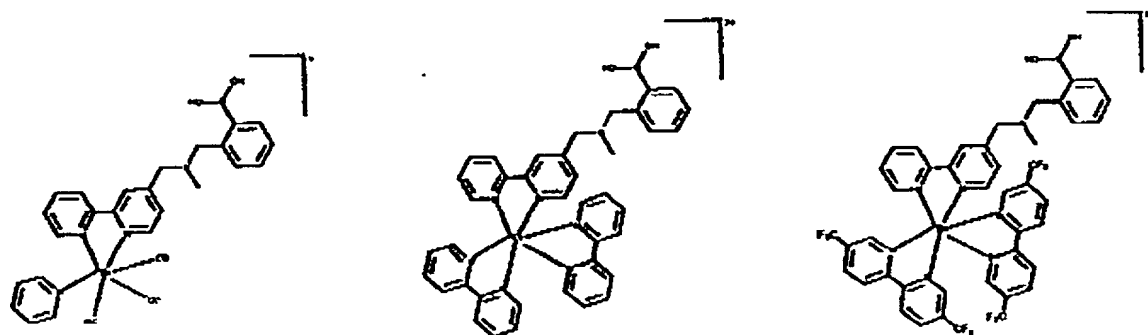


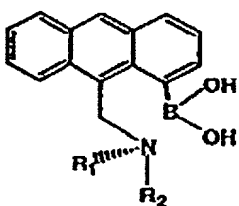
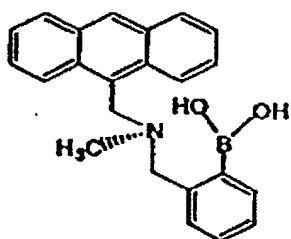
FIG. 5

FIG. 6



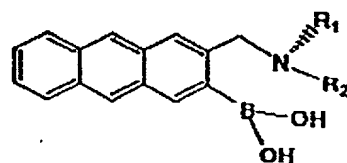
$X = O, S$
 $R_1 = H, Me, Et$
 $R_2 = H, Me, Et$
 $R_3 = H, Me$
 $R_4 = H, Me$

FIG. 7



$R_1 = H, \text{ alkyl, aryl, benzyl}$

$R_2 = H, \text{ alkyl, aryl, benzyl}$



$R_1 = H, \text{ alkyl, aryl, benzyl}$

$R_2 = H, \text{ alkyl, aryl, benzyl}$

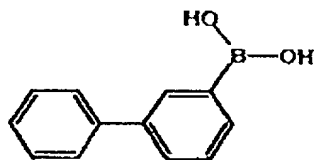
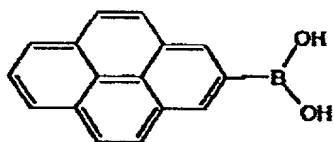
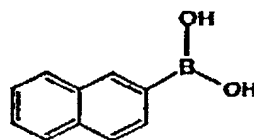
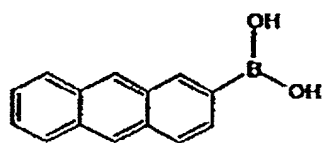


FIG. 8

Naphthylimide Boronate

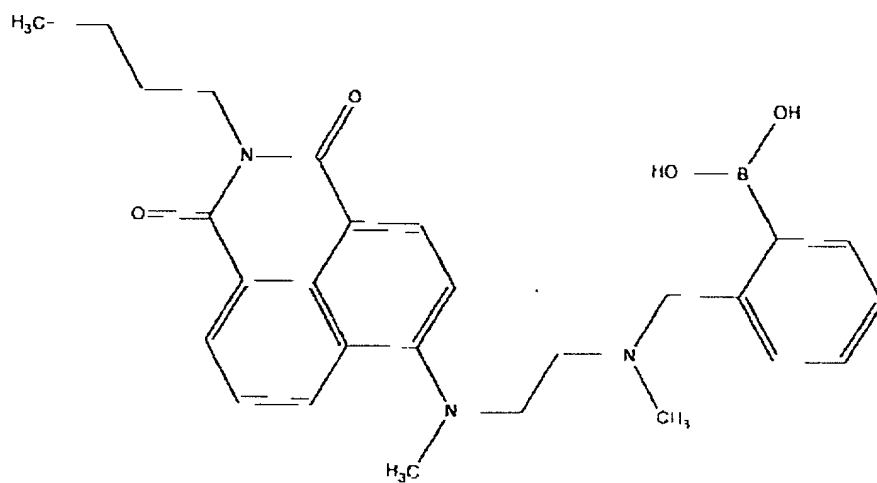


FIG. 9A

6-Chloro-10methyl-5Hbenzo[a]phenoxazin-5-one (COB)

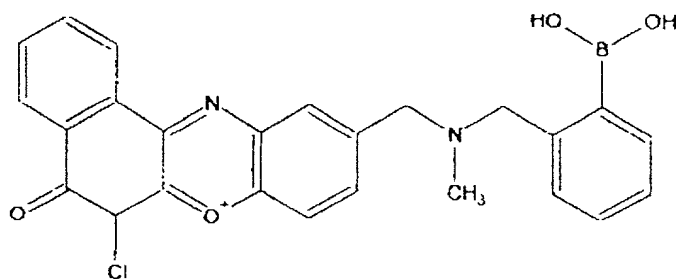


FIG. 9B

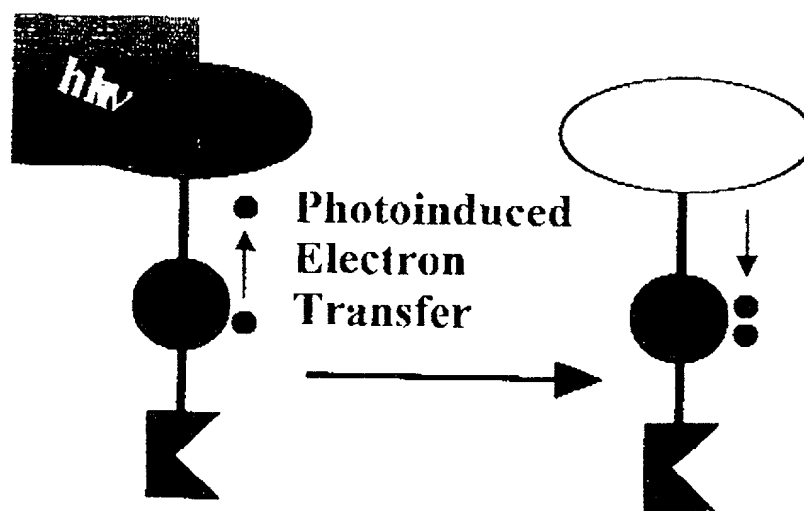
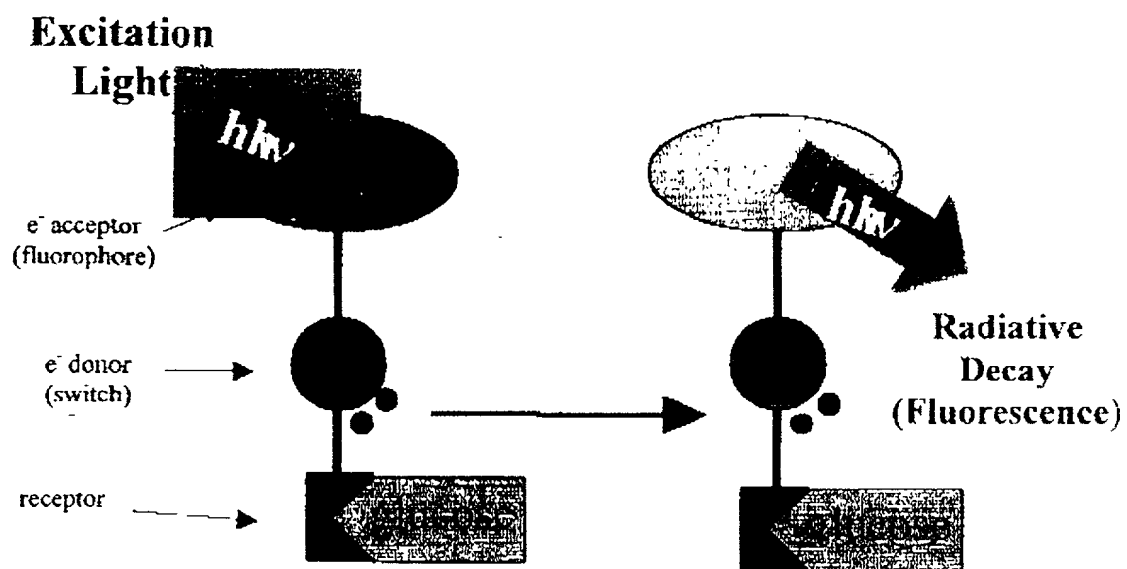


FIG. 10

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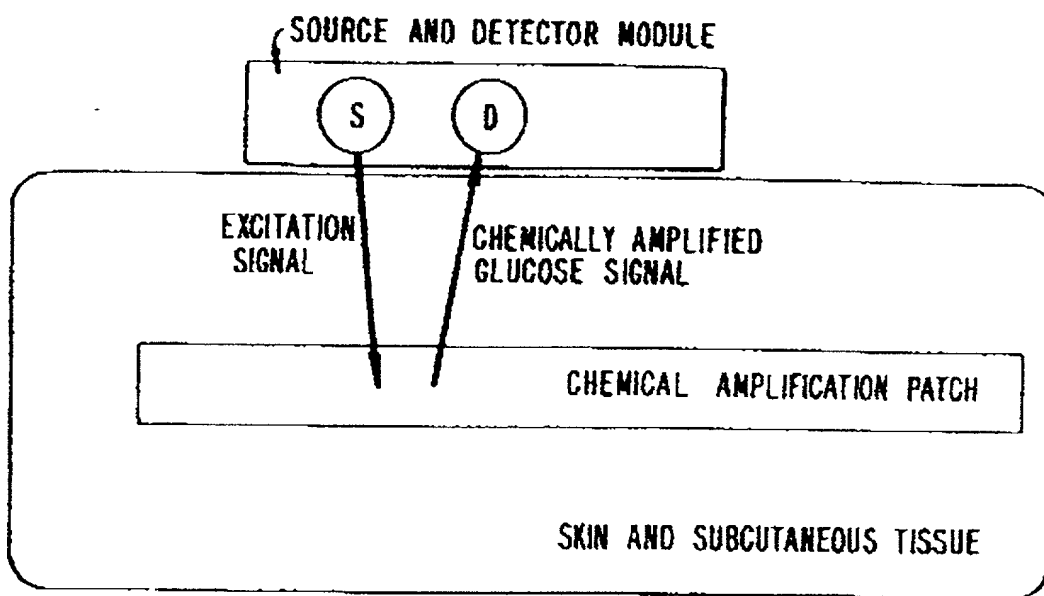


FIG. 11

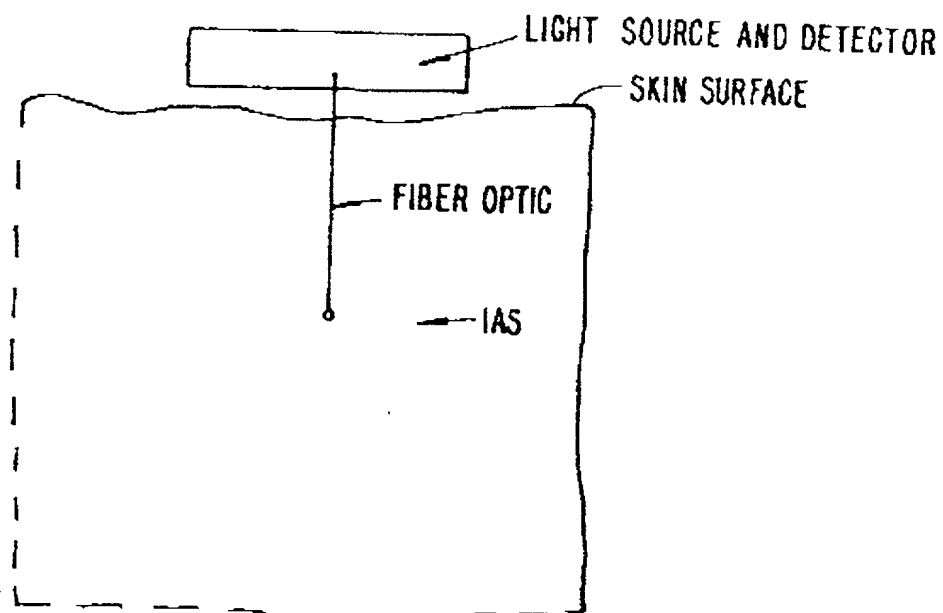


FIG. 12

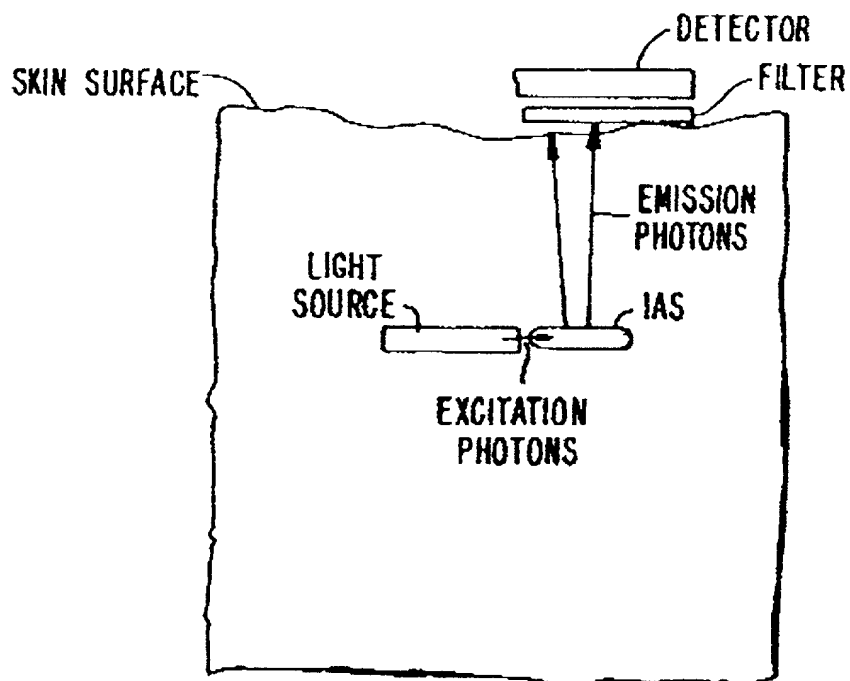


FIG. 13

FIG. 14

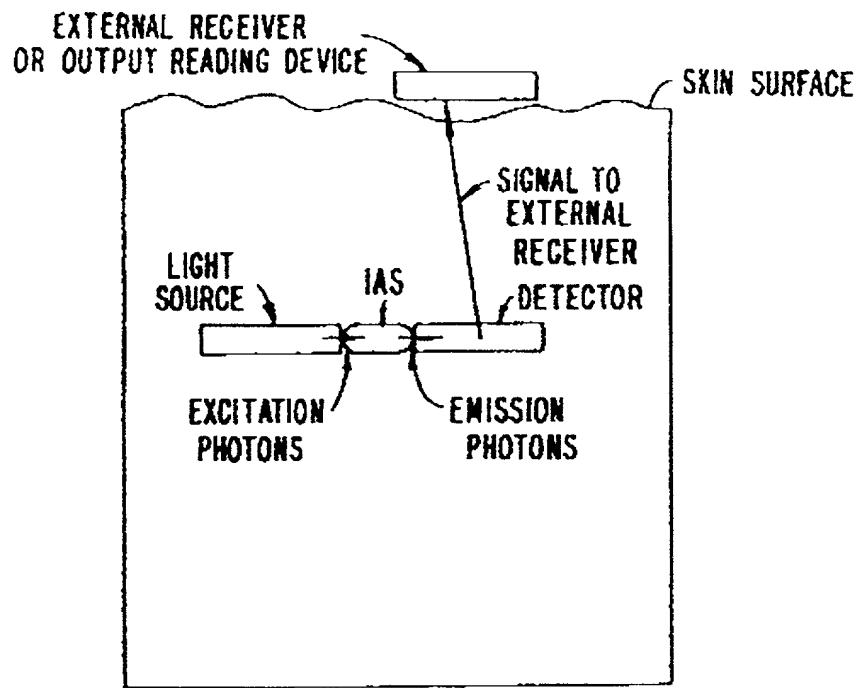


FIG. 14

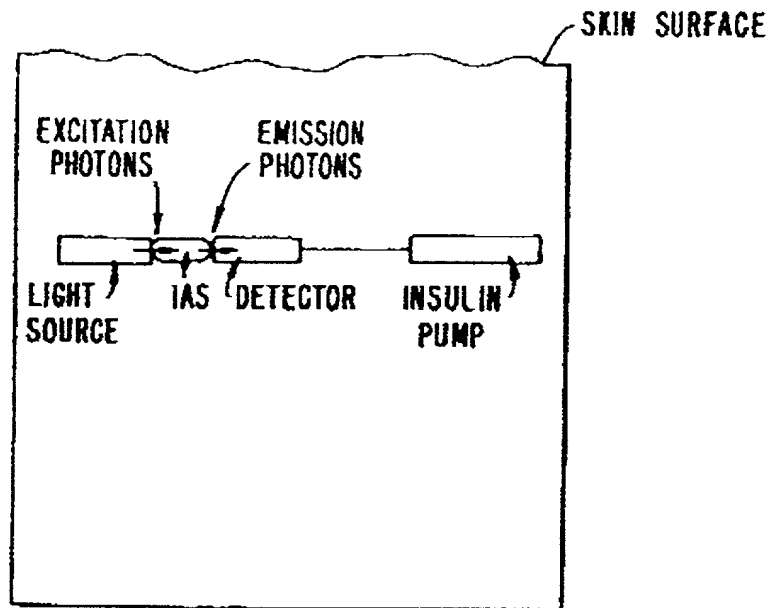


FIG. 15

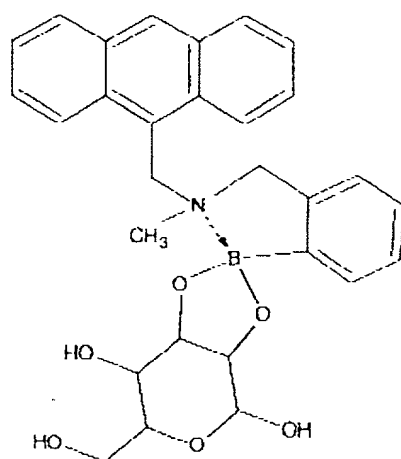


FIG. 16

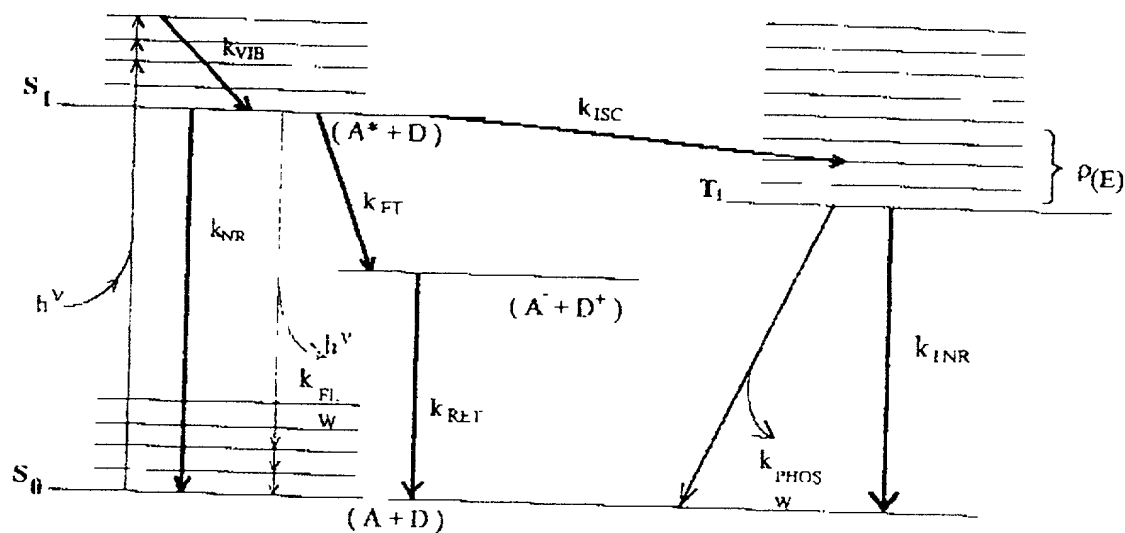


FIG. 17A

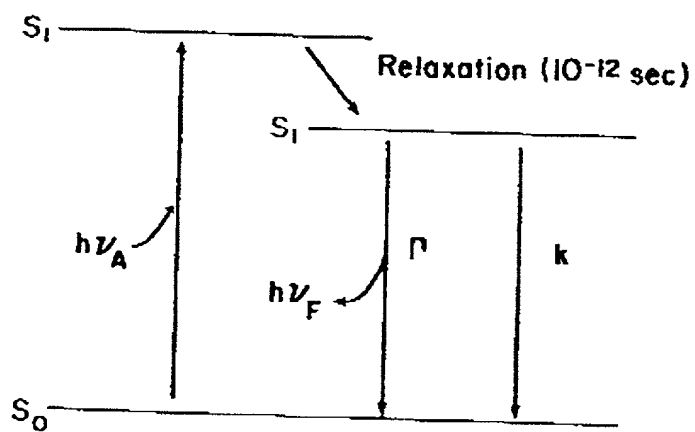


FIG. 17B

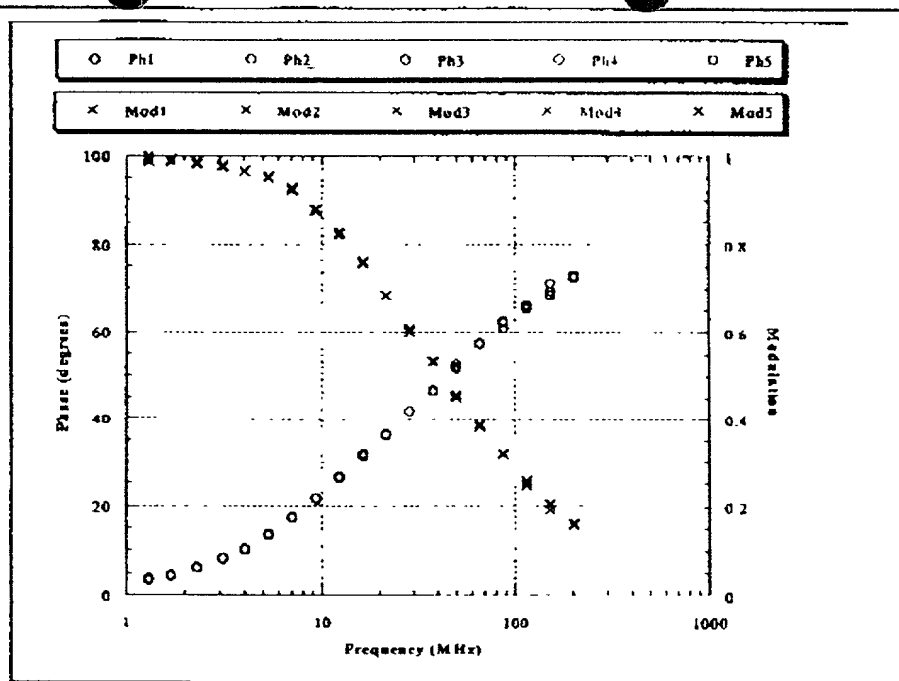


FIG. 18

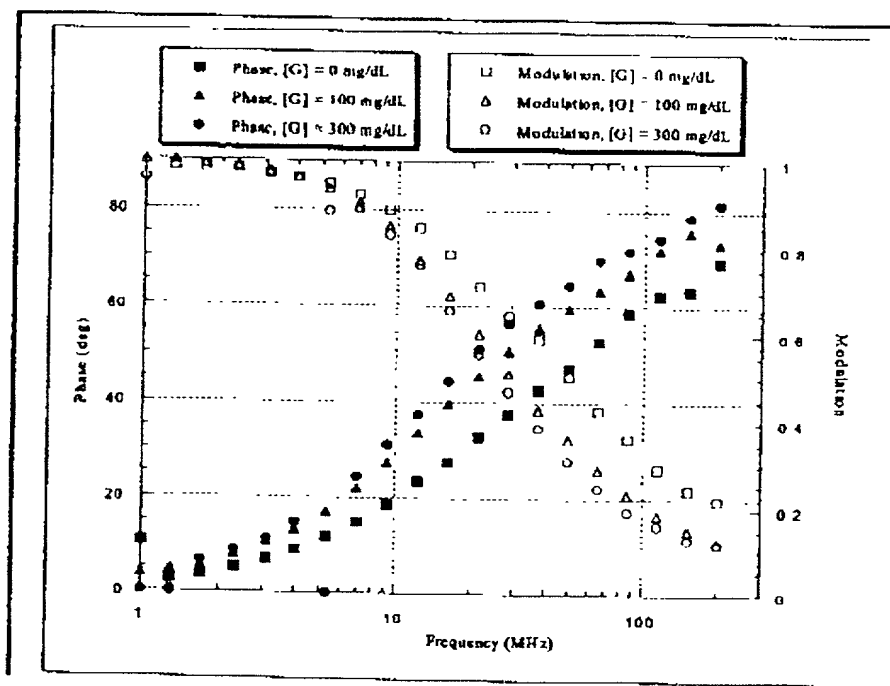


FIG. 19

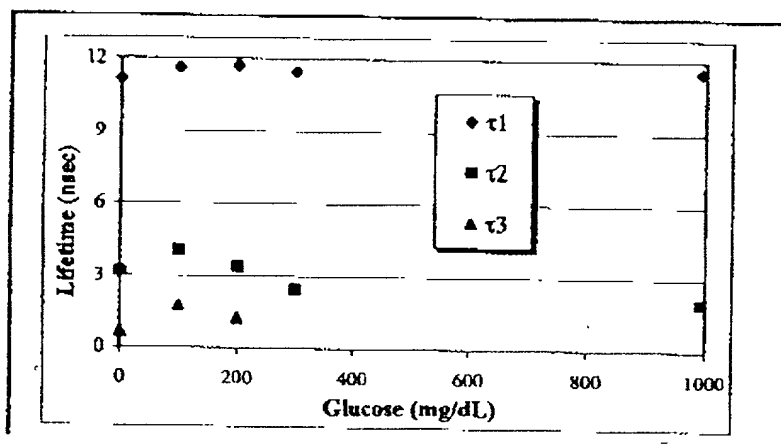


FIG. 20

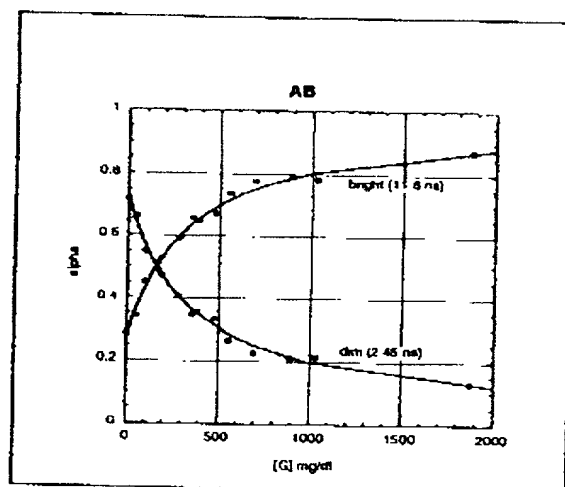


FIG. 21

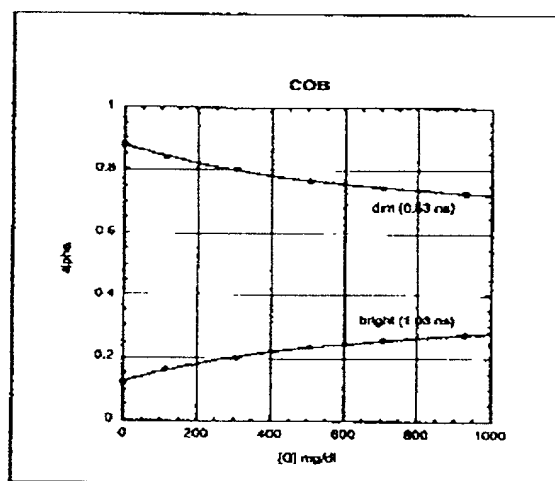


FIG. 22

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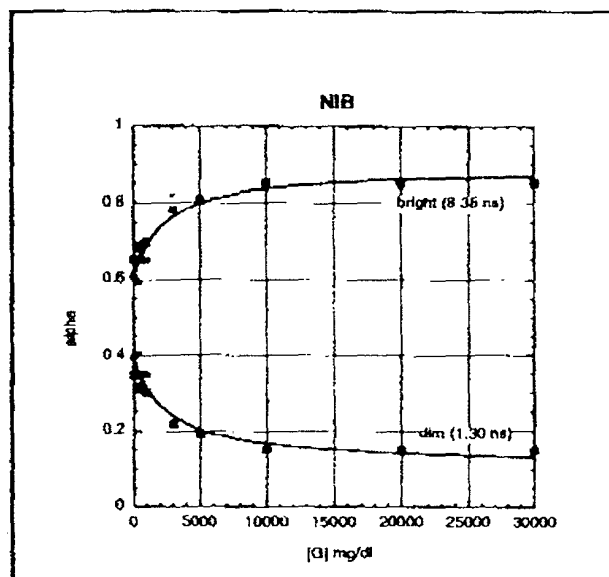


FIG. 23A

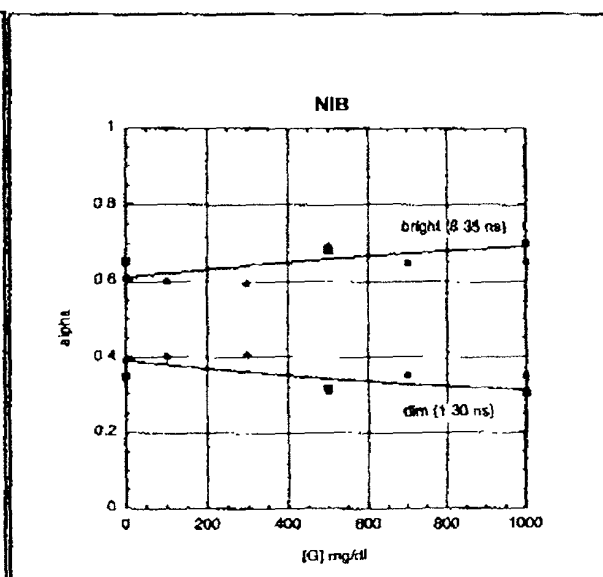


FIG. 23B

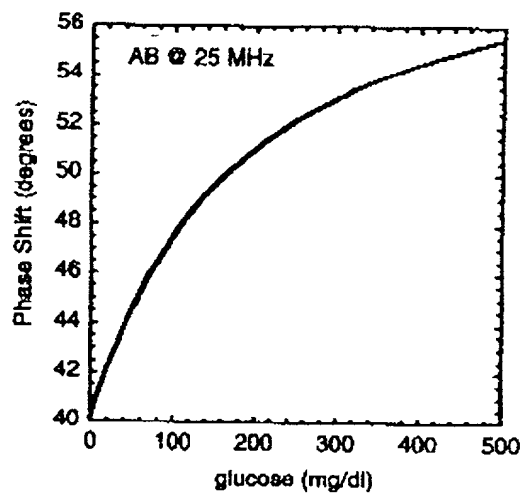


FIG. 24A

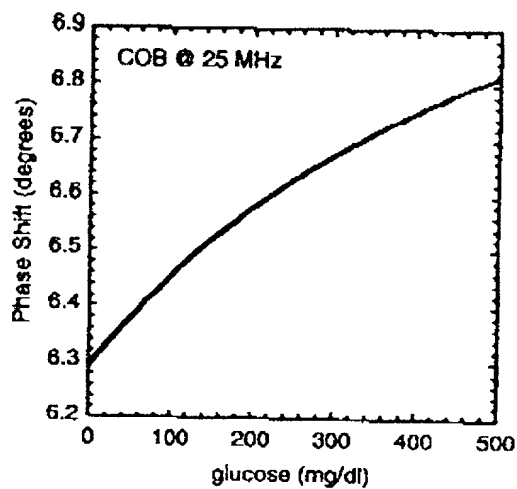


FIG. 24B

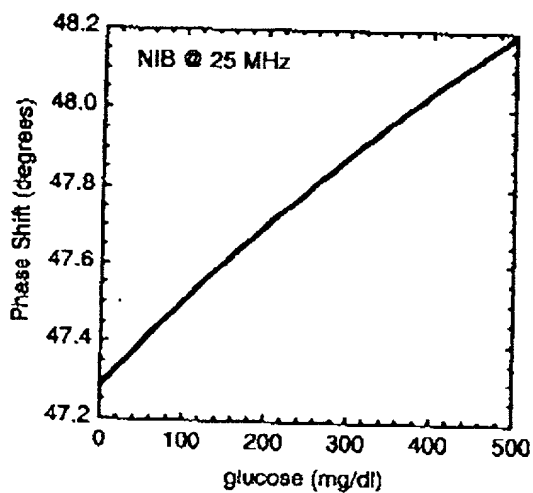


FIG. 24C

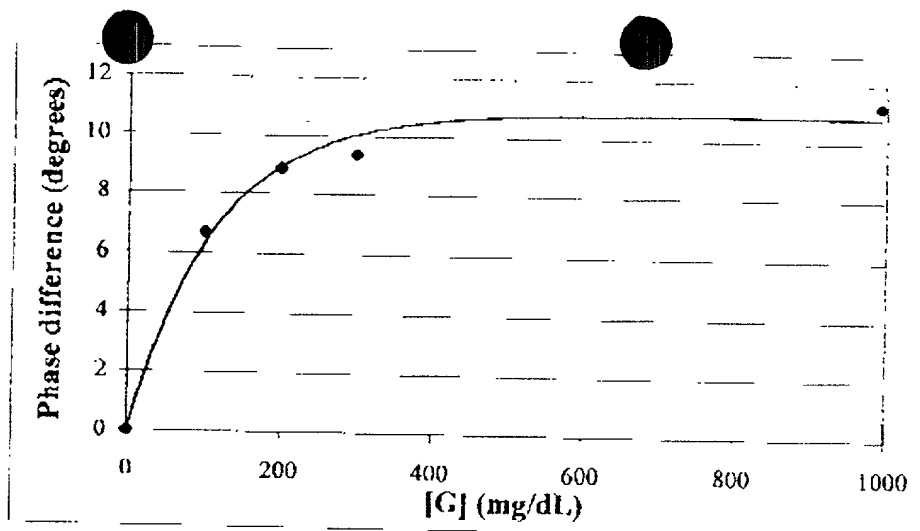


FIG. 25

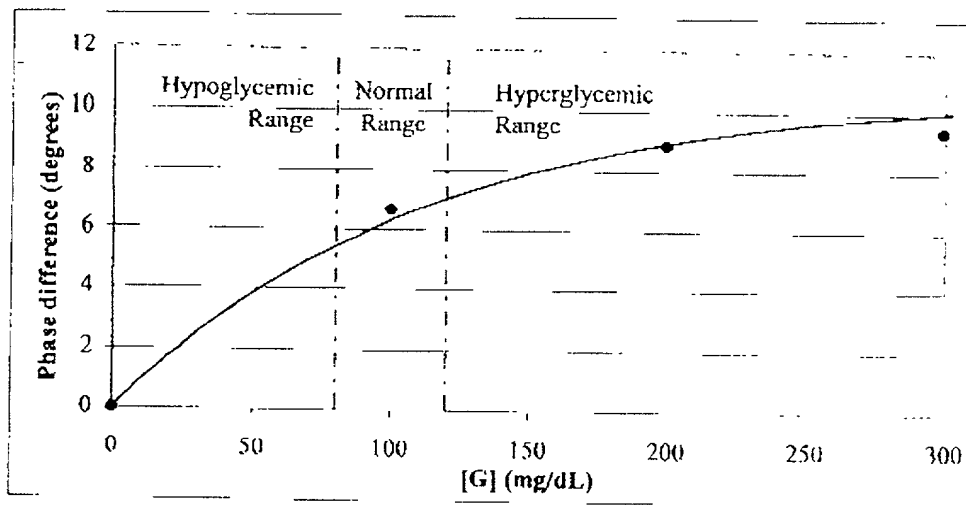


FIG. 26

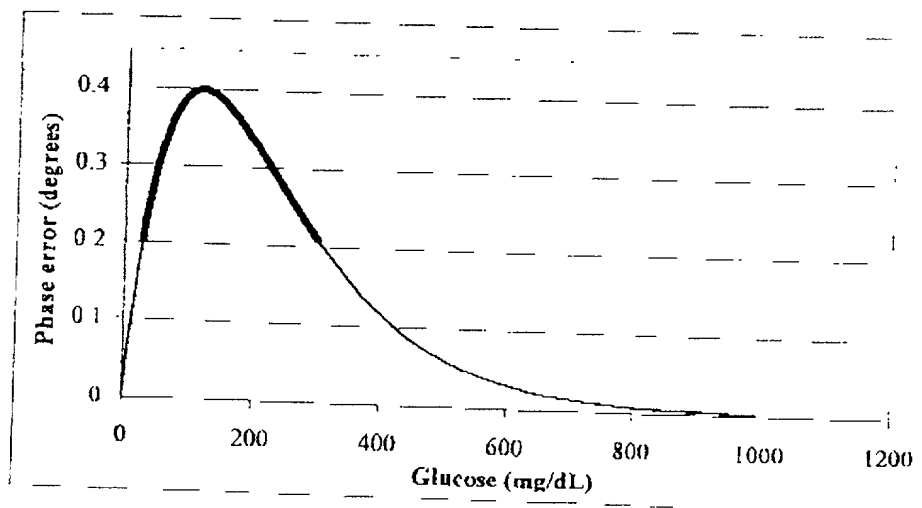


FIG. 27

0986745-0440
F04040-51292860

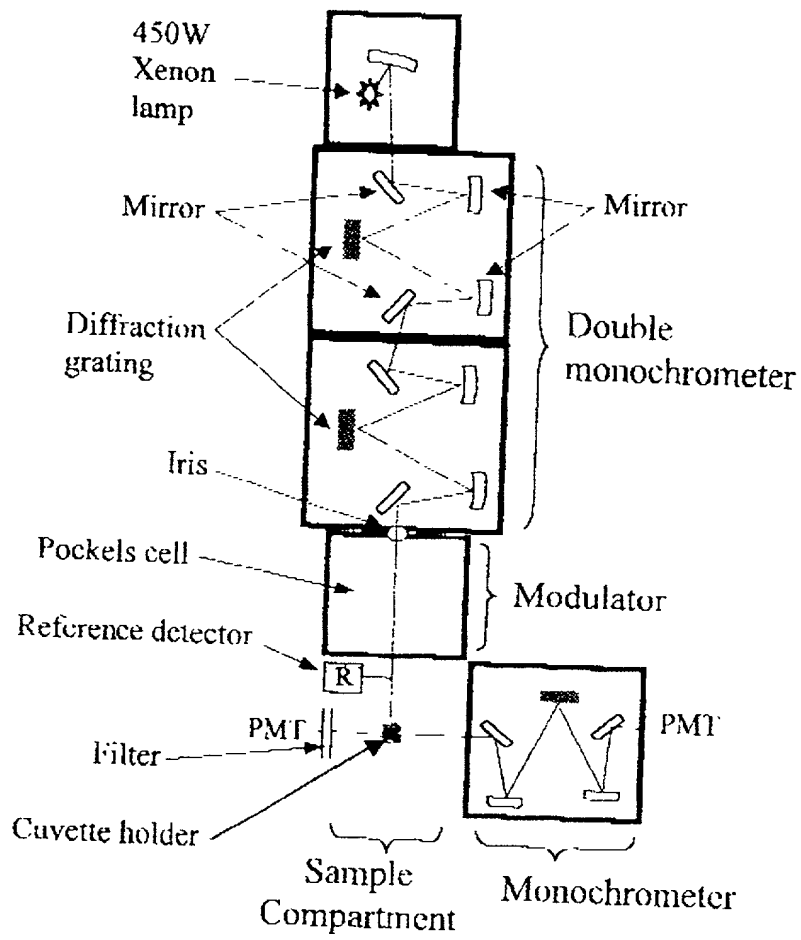


FIG. 28

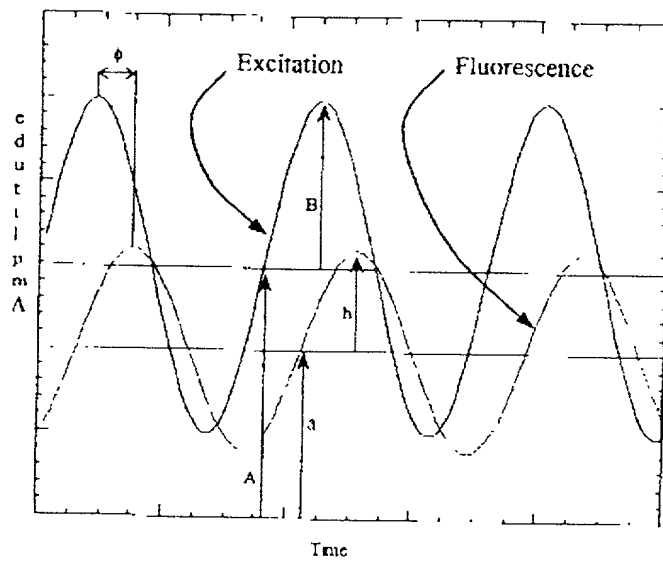


FIG. 29

Downloaded from www.sciencedirect.com

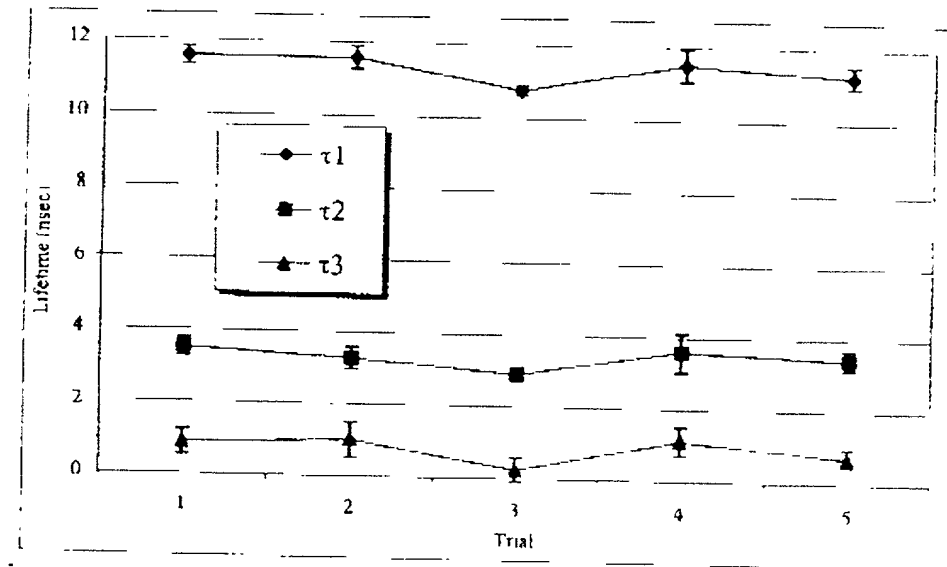


FIG. 30

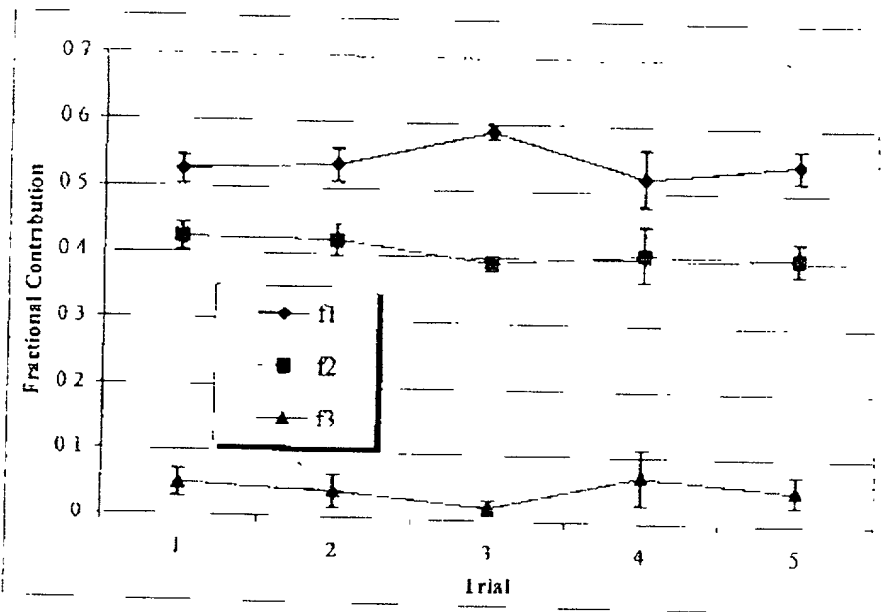


FIG. 31

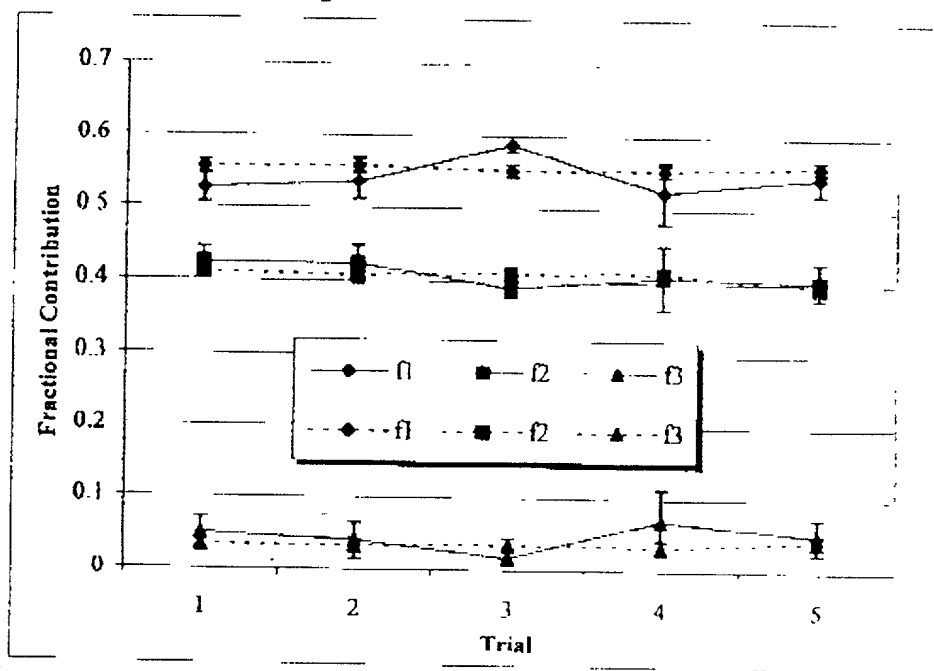


FIG. 32

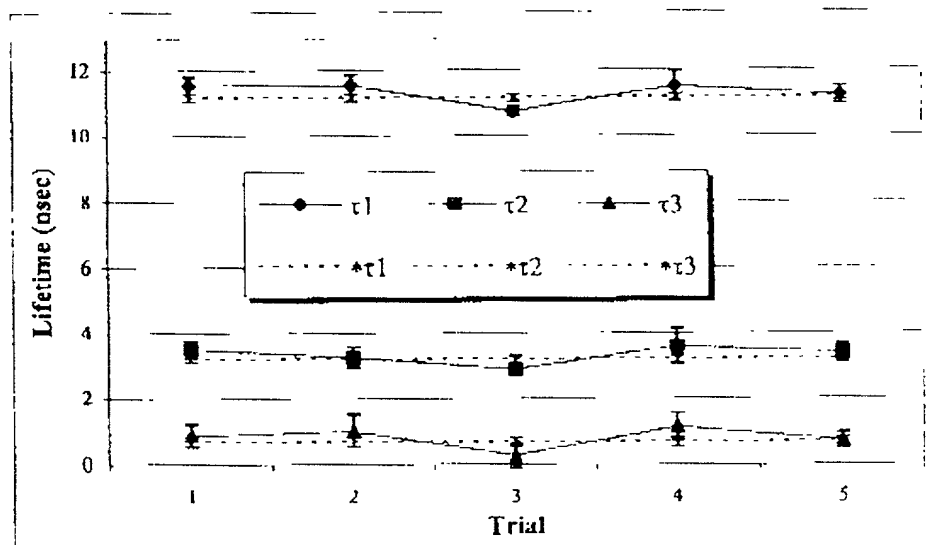


FIG. 33

FORM 57-00000

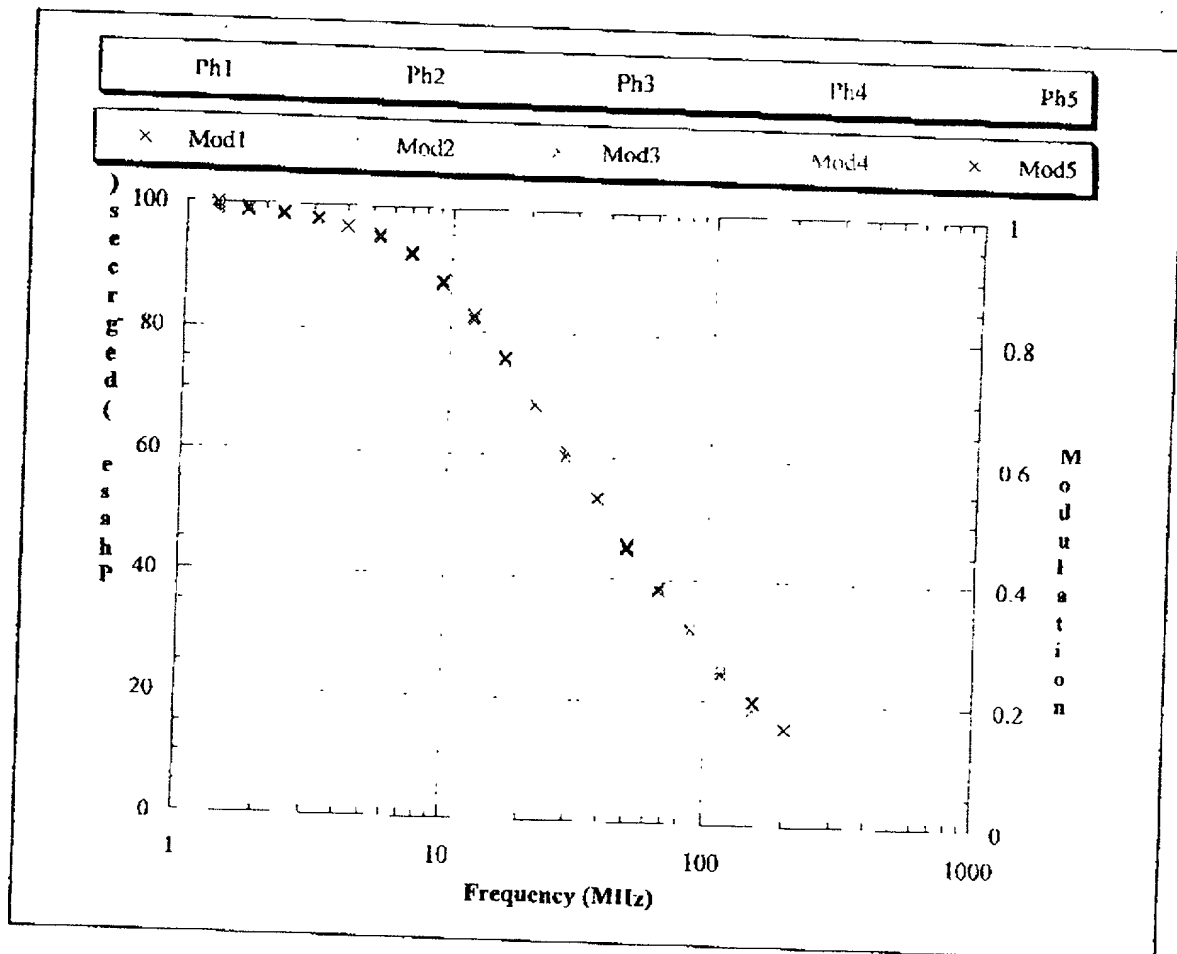


FIG. 34

FIG. 35 A



FIG. 35 B

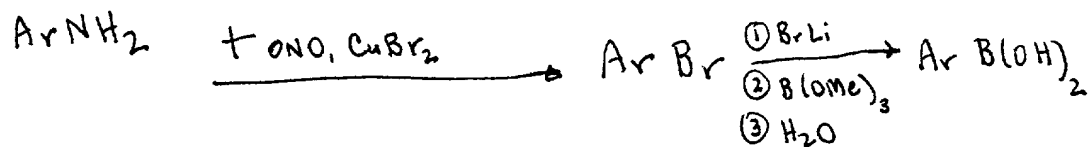


FIG. 35 C

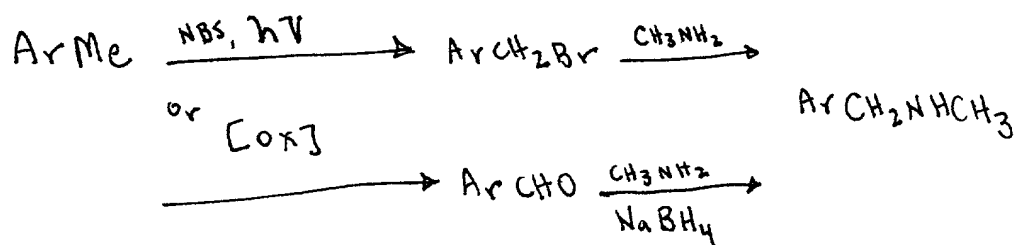
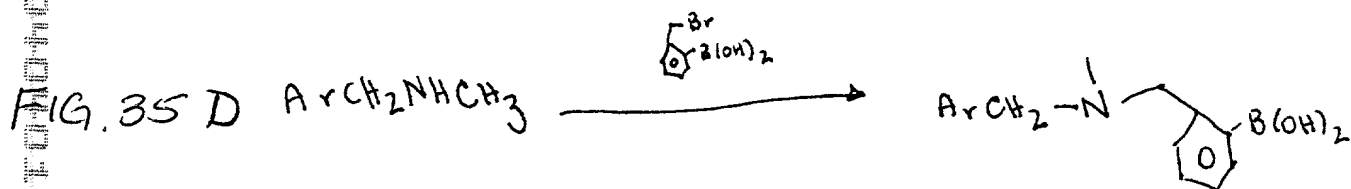


FIG. 35 D



FORM 542860

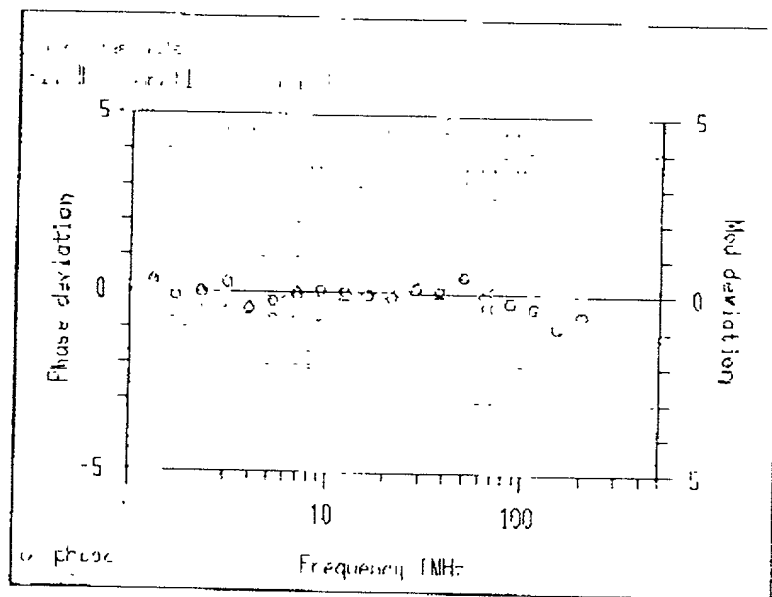


FIG. 36A

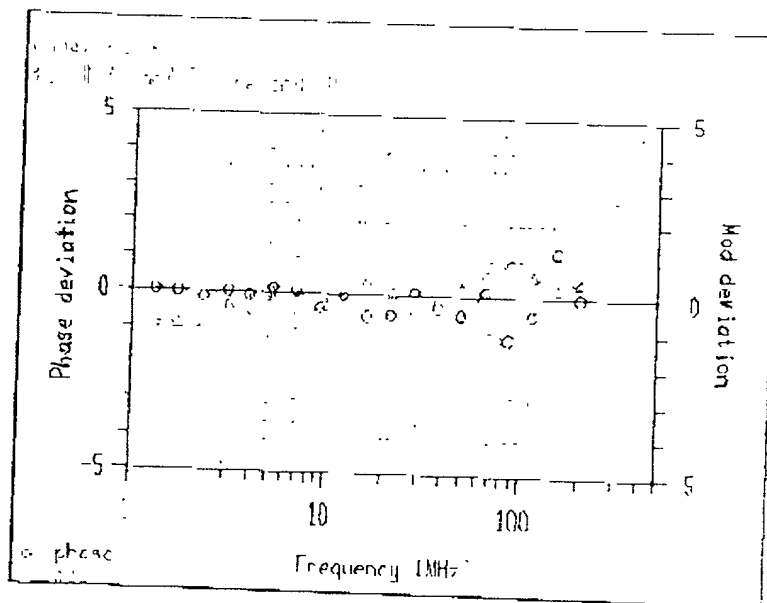


FIG. 36B

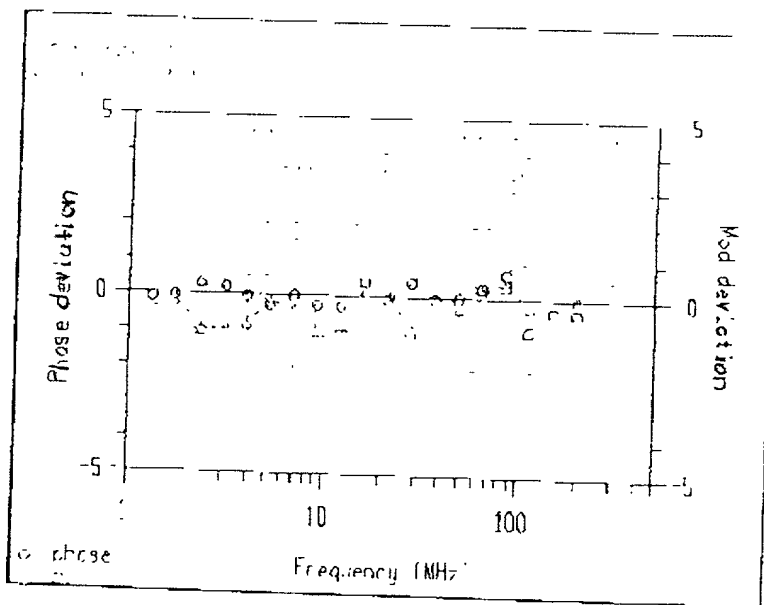


FIG. 36C

Phase deviation

Mod deviation

Frequency (MHz)

10 100

The graph displays two sets of data points against Frequency (MHz) on a logarithmic scale. The left y-axis represents Phase deviation, and the right y-axis represents Mod deviation. Both axes range from -5 to 5. The phase deviation data points (open circles) show a slight increase in deviation as frequency increases, while the modulation deviation data points (open circles) show a slight decrease in deviation as frequency increases.

Frequency (MHz)	Phase deviation	Mod deviation
1	-0.5	-0.5
2	-0.5	-0.5
3	-0.5	-0.5
4	-0.5	-0.5
5	-0.5	-0.5
6	-0.5	-0.5
7	-0.5	-0.5
8	-0.5	-0.5
9	-0.5	-0.5
10	-0.5	-0.5
15	-0.5	-0.5
20	-0.5	-0.5
30	-0.5	-0.5
40	-0.5	-0.5
50	-0.5	-0.5
60	-0.5	-0.5
70	-0.5	-0.5
80	-0.5	-0.5
90	-0.5	-0.5
100	-0.5	-0.5

FIG. 36E

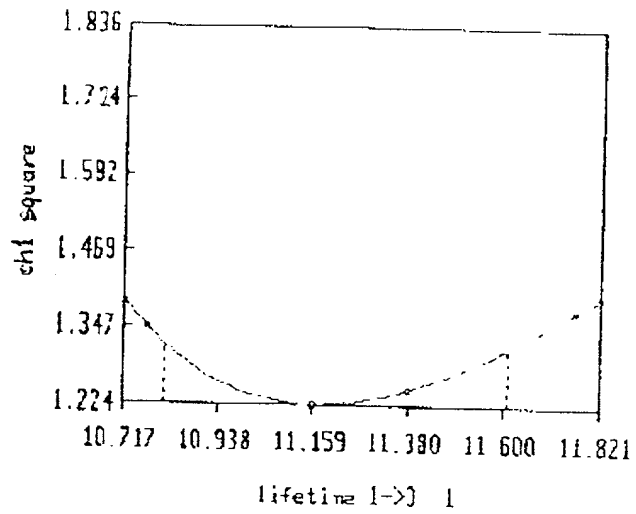


FIG. 37A

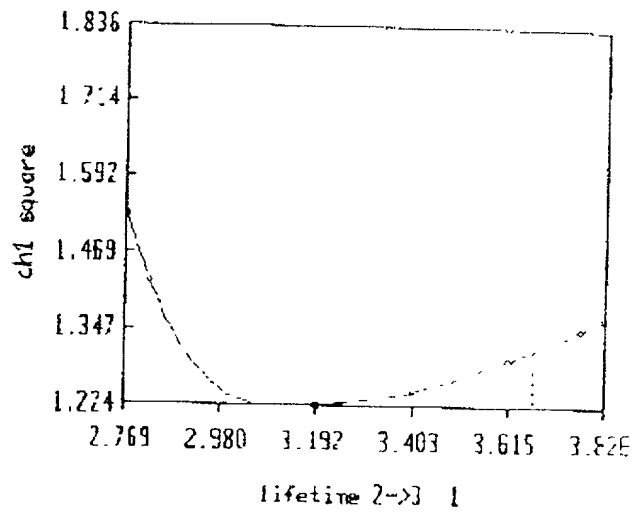


FIG. 37B

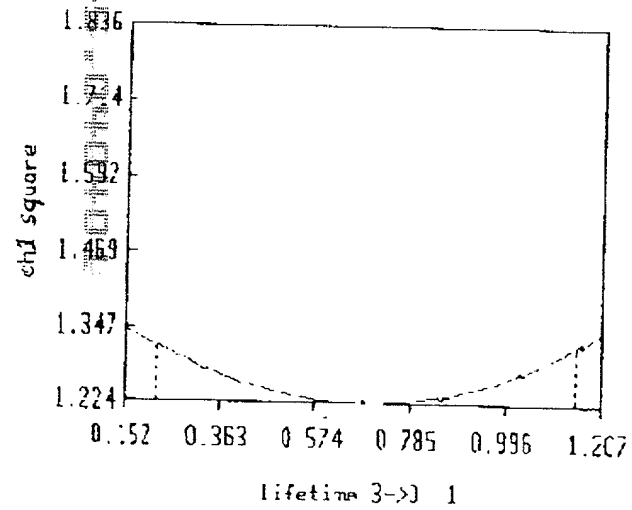


FIG. 37C

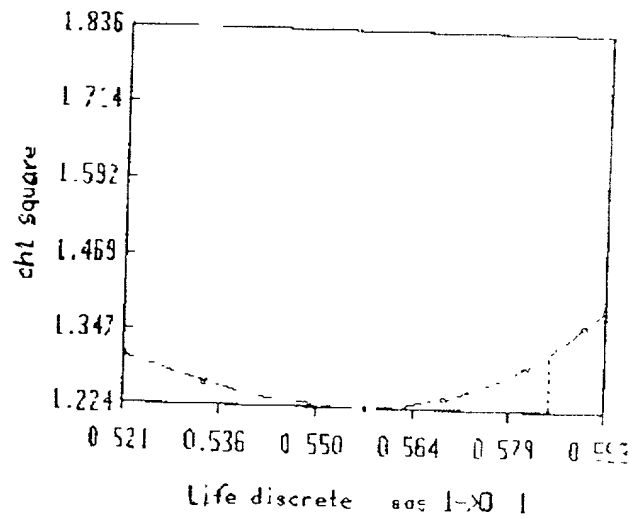


FIG. 37D

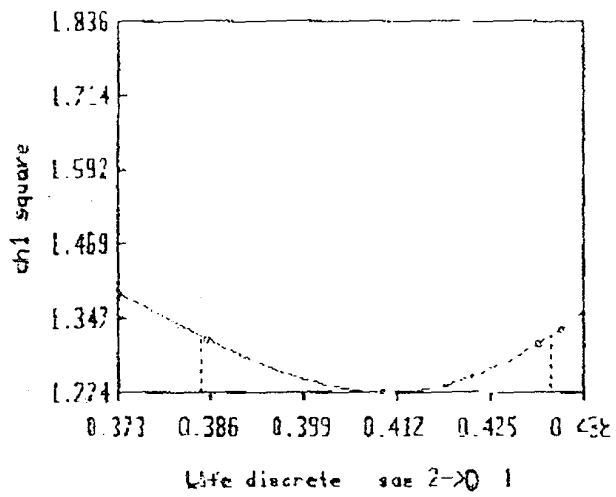


FIG. 37E

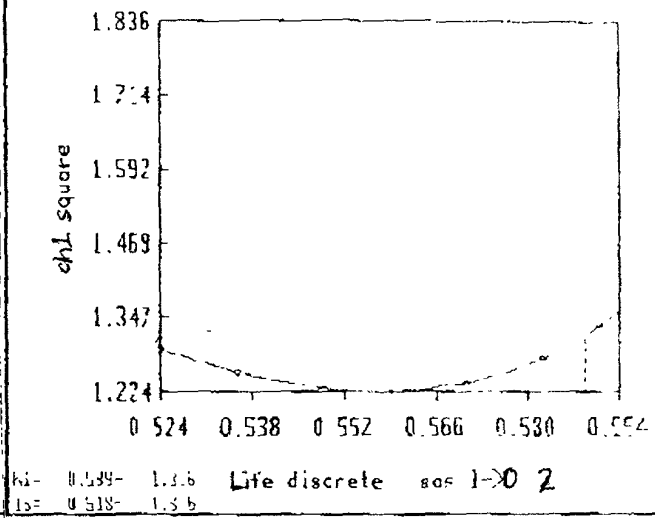


FIG. 37F

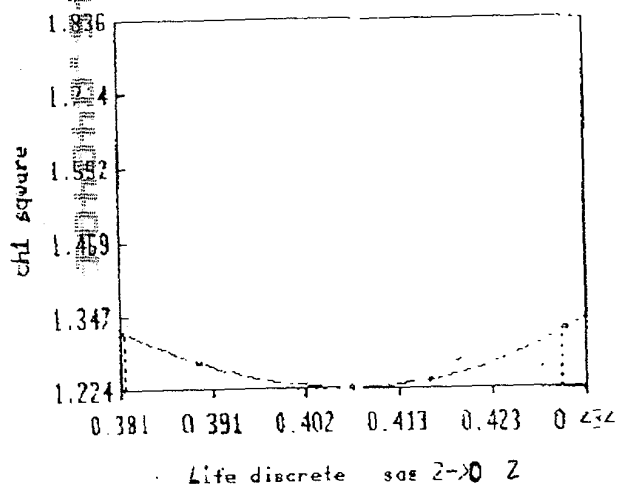


FIG. 37G

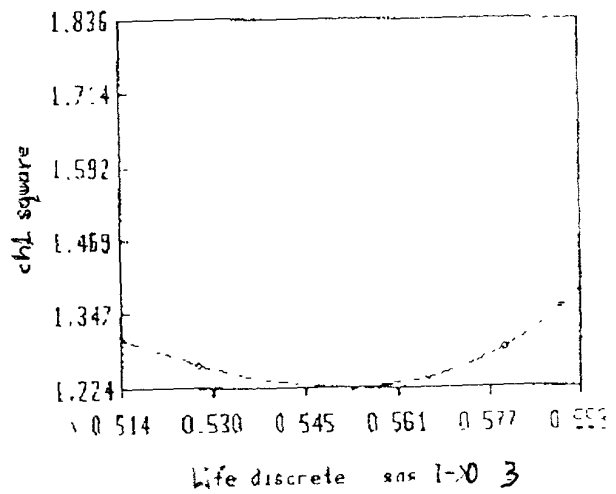


FIG. 37H

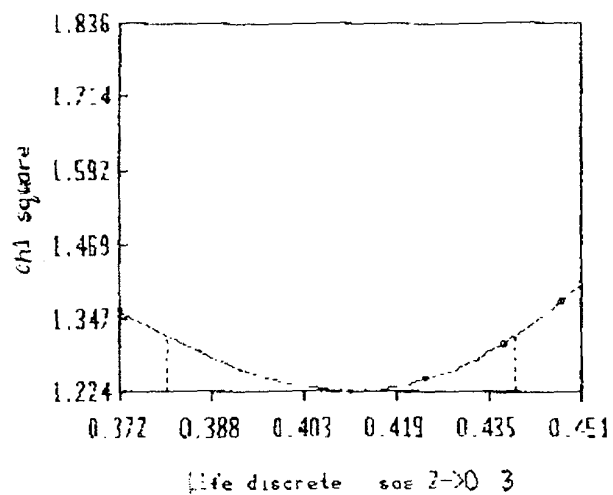


FIG. 37I

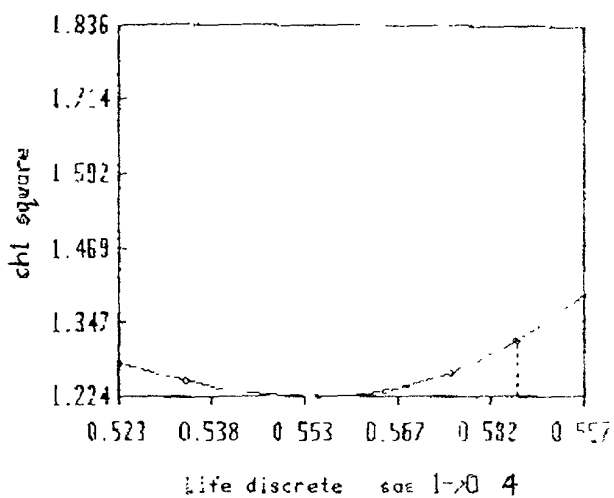


FIG. 37J

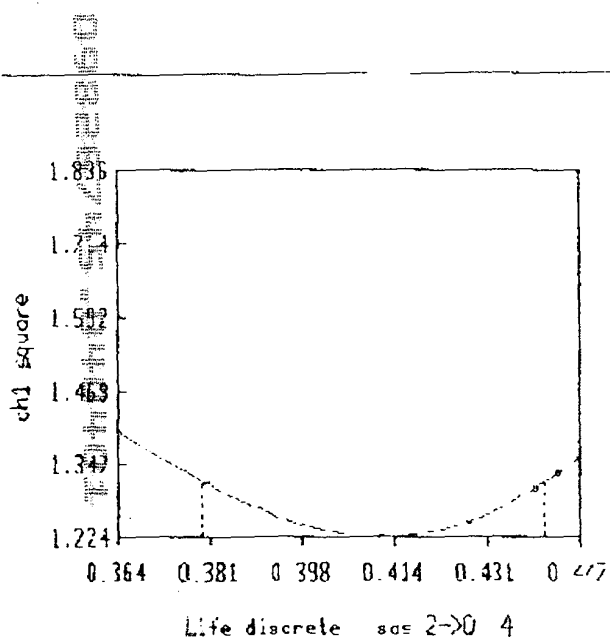


FIG. 37K

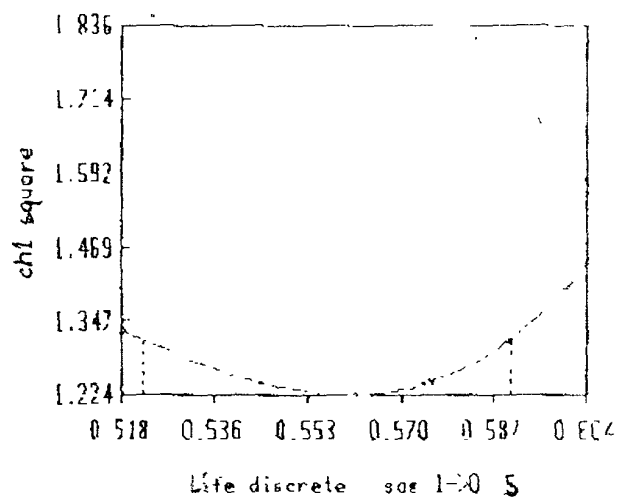


FIG. 37L

chl square

Life discrete

0.365 0.378 0.390 0.403 0.416 0.428

1.224 1.347 1.469 1.592 1.714 1.836

FIG. 37M

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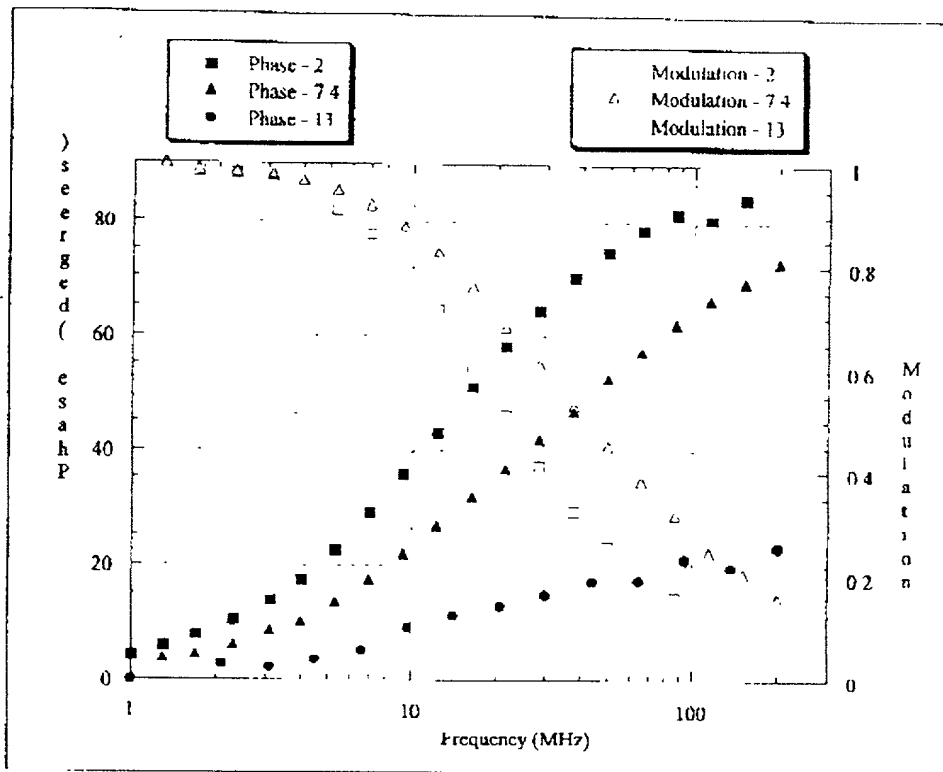


FIG. 38

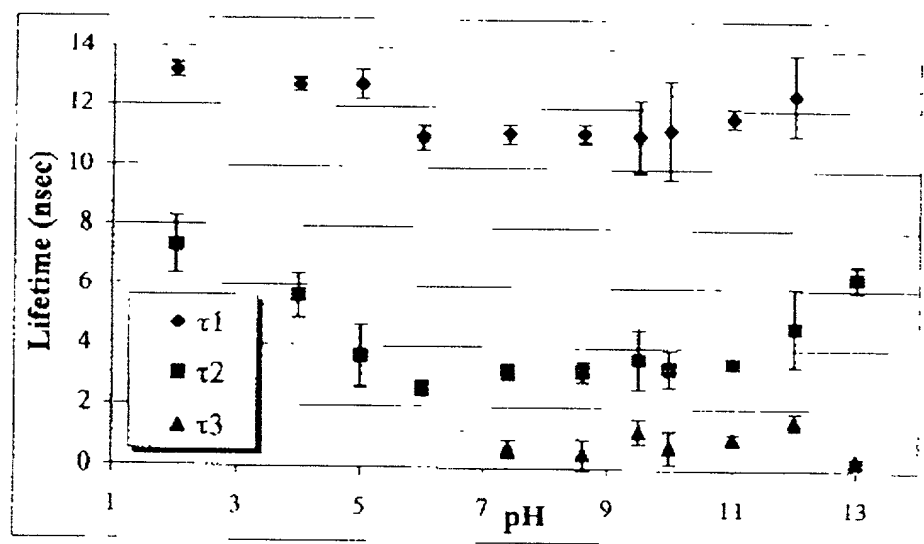


FIG. 39

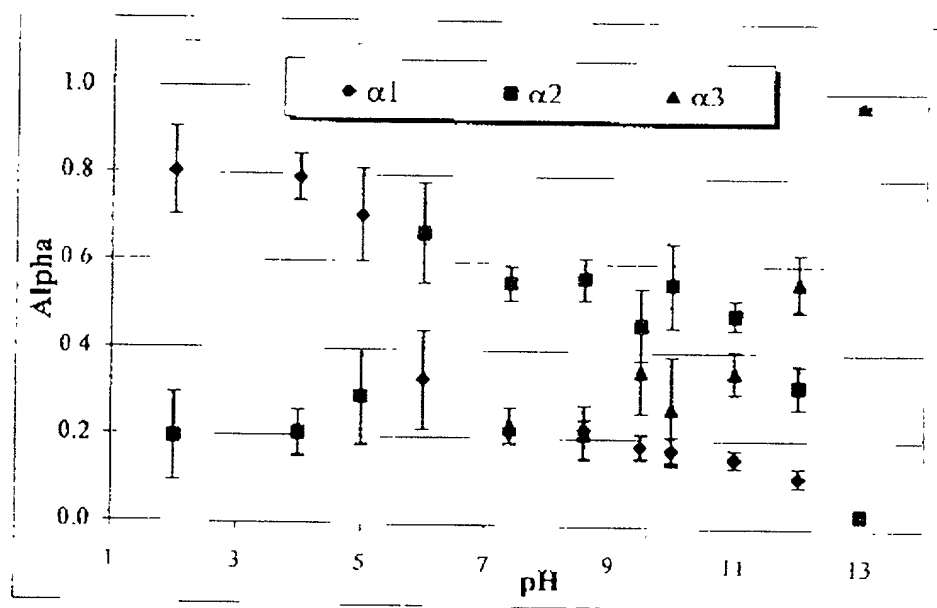


FIG. 40

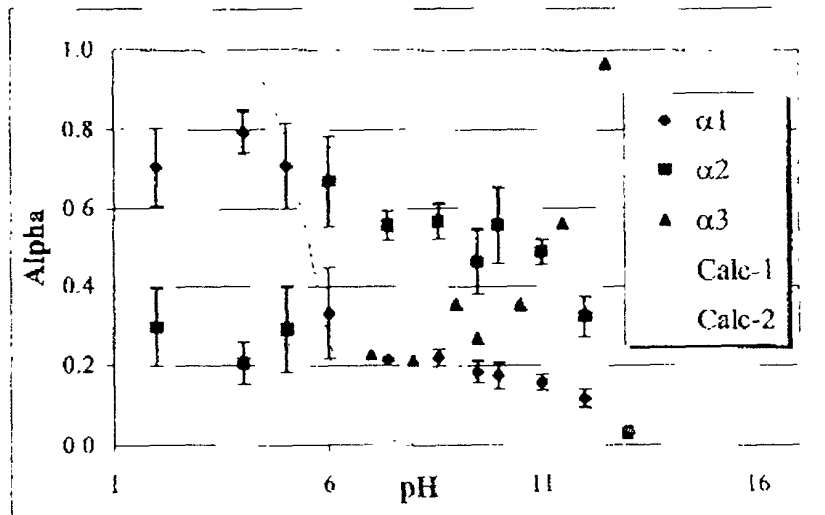


FIG. 41

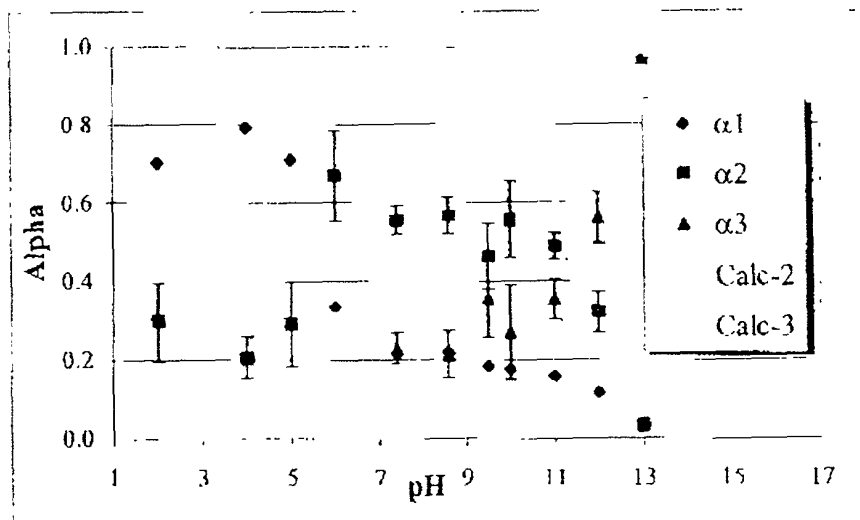


FIG. 42

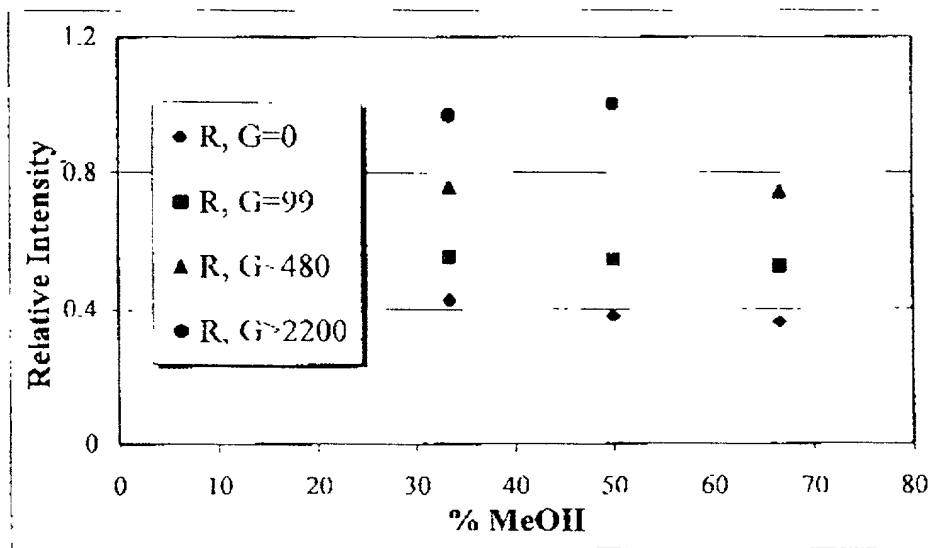


FIG. 43